

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒&/or GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Frank B. Adams

## 3. ADDRESS OF OPERATOR

716 Wilson Bldg., Corpus Christi, TX 78476

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 2,007' fnl &amp; 2,079' fel - Sec. 22 19s 24e SLB

At proposed prod. zone

Same as above

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

12.94 ,iles nne of Cisco, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

2,007'

## 16. NO. OF ACRES IN LEASE

2,080.00

## 17. NO. OF ACRES ASSIGNED

10

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NA

## 19. PROPOSED DEPTH

2,950' Entrada

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4,835' Gr.

4,844' KB

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8ths"	26#	160'	30sx to surface
6 1/2"	4 1/2"	10.5#	2,950'	120 sx + 2% KCL

Attached

1. Ten point plan ( July 1,1976 )
2. Surface use plan
3. Designation of Operator
4. Survey

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/2/81

BY: V.B. [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

Frank B. Adams-

TITLE

Operator

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

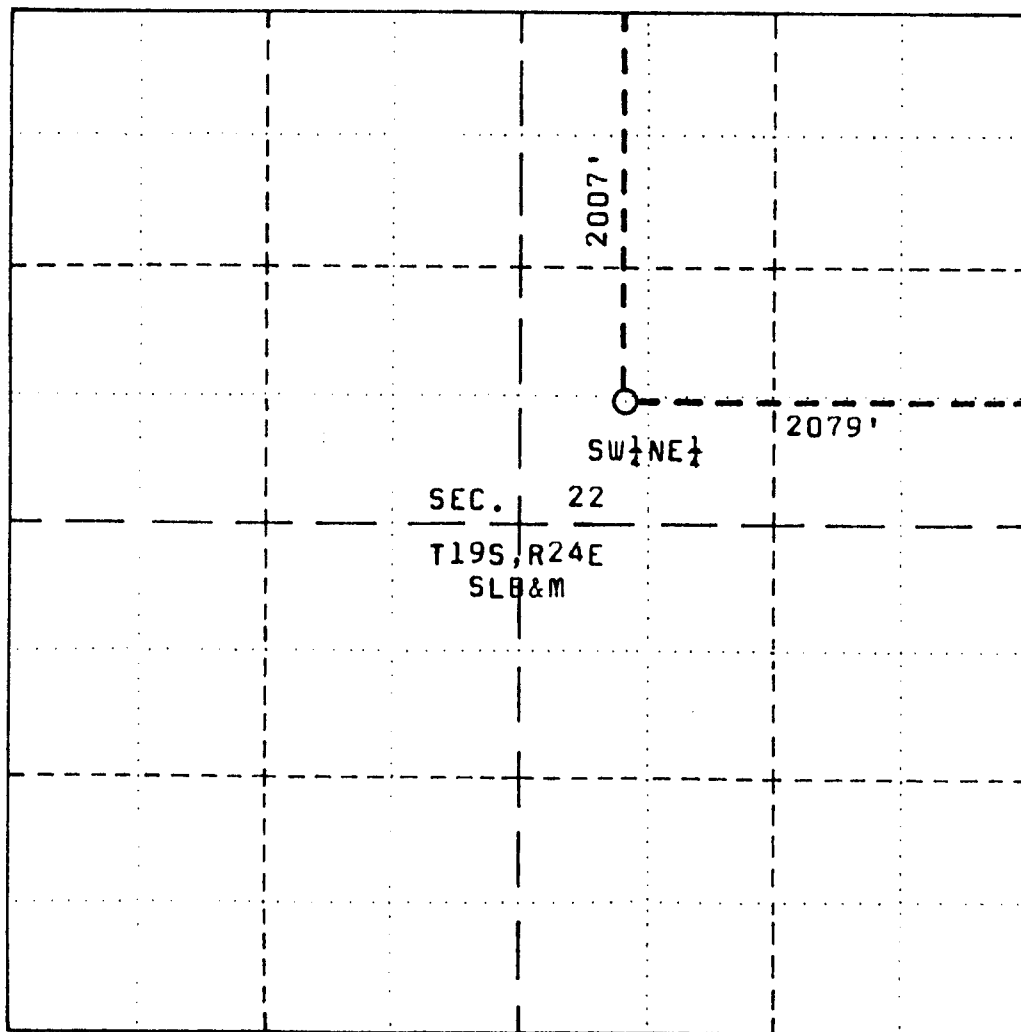
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

STATE

\*See Instructions On Reverse Side



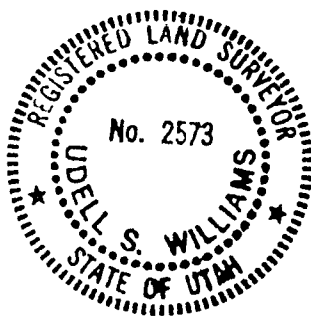
SCALE: 1" = 1000'

FRANK B. ADAMS #22-1 FED.

Located South 2007 feet from the North boundary and West 2079 feet from the East boundary of Section 22, T19S, R24E, SLB&M.

Elev. 4835

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

*UdeLL S. Williams*  
UTAH R.L.S. NO. 2573



**UDELL S. WILLIAMS**

751 Rood Avenue  
GRAND JUNCTION, COLORADO 81501

PLAT OF  
PROPOSED LOCATION

**FRANK B. ADAMS #22-1 FED.**  
**SW  $\frac{1}{4}$  NE  $\frac{1}{4}$  SECTION 22**  
**T19S, R24E, SLB&M**

SURVEYED BY: USW DATE: 8/6/81

DRAWN BY: USW DATE: 8/8/81

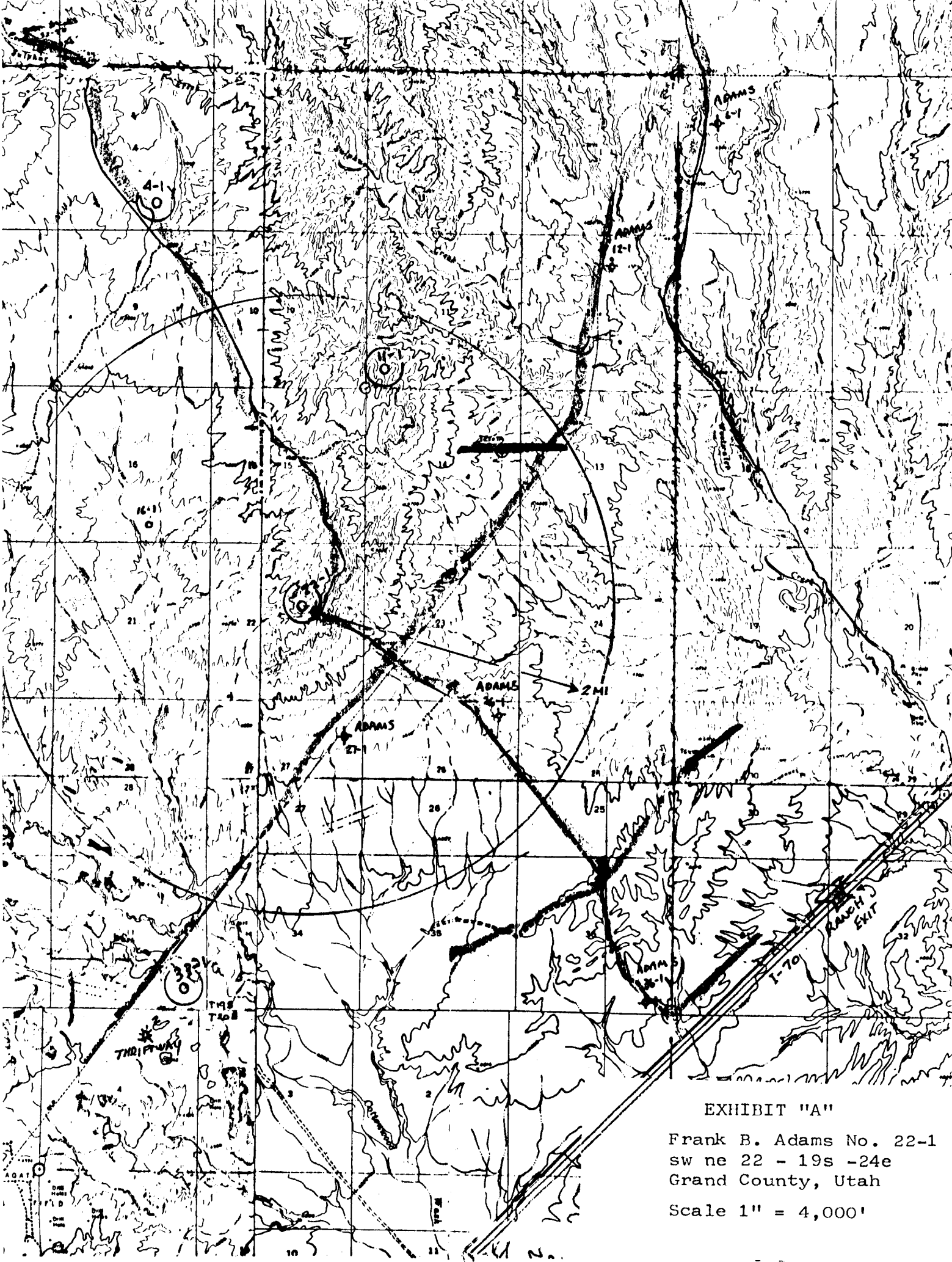


EXHIBIT "A"

Frank B. Adams No. 22-1  
sw ne 22 - 19s -24e  
Grand County, Utah

Scale 1" = 4,000'



# Frank B. Adams

OIL OPERATOR

716 WILSON BUILDING

CORPUS CHRISTI, TEXAS 78476

September 1, 1981

512-884-9004

## Ten point plan to comply with NTL-6 (Supplement to 9-331 C)

Well Name: Frank B. Adams No. 22-1  
sw ne 22 - 19s - 24e SLB&M  
Federal Oil & Gas Lease U-17907  
Grand County, Utah

### 1. Geological name of surface formation

Mancus shale

### 2. Estimated tops of important geological markers

Base of Dakota silt	2,000'
Morrison	2,150'
Salt Wash	2,430'
Entrada	2,805'

### 3. Estimated depth at which water, oil and/ or gas is anticipated

Water - From scattered gravel beds from surface to 100', if any

Oil or gas - any of the geological sections noted above

### 4. Proposed casing program

See paragraph 23 of 9-331C

### 5. Pressure control details

- Rigan BOP 3,000 psi (Hyd closing unit) tested to 1,000 psi after surface pipe is cemented, then daily thereafter
- Grant rotating head above BOP
- Full shut-off valve on wellhead and exhaust line, see attached diagram

### 6. Drilling mud and weight material program

Plans call for air drilling to total depth, adding soap to mist if necessary. If excessive formation water, oil or gas is encountered, the hole will be mudded up with 100 vis. 8.2 to 10# starch base drilling mud with KCL added. Well will then be drilled to total depth. If total depth is reached with air and/or mist, the same mud up program will be followed to condition the hole for logging. Mud will be mixed and ready for use before reaching the Dakota formation, the first prospective pay zone.

7. Auxillary equipment

- a. Demco kelly cocks
- b. Check valve above bit
- c. Visual monitoring of mud system
- d. Sub on rig floor with full opening valve, to be stabbed into drill pipe when kelly is out of the drill string

8. Testing and logging program

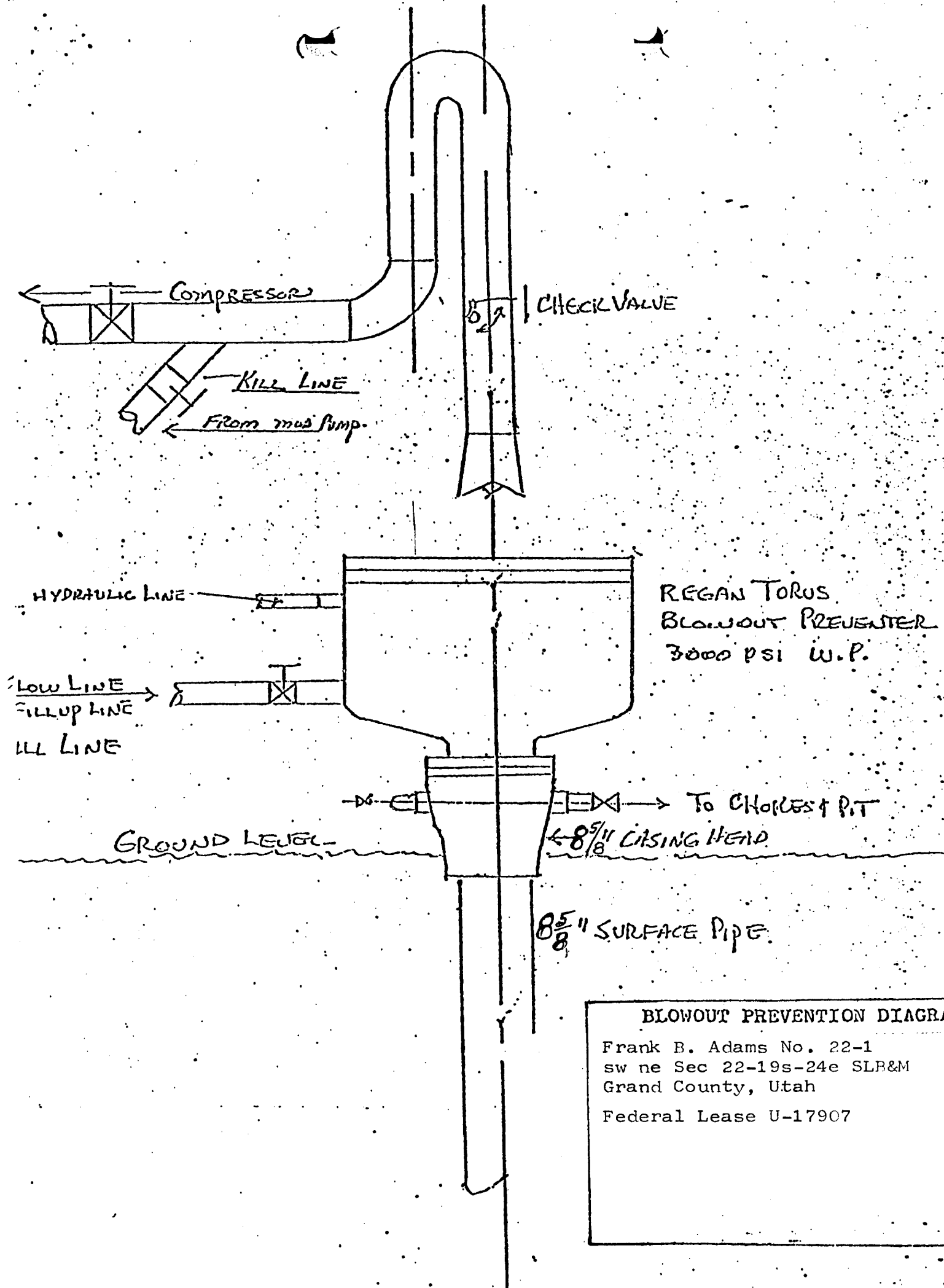
- a. No formation tests anticipated
- b. Cuttings to be examined for hydrocarbon shows
- c. Exhaust line to be equipped with flare to ignite any hydrocarbons as they might occur.
- d. Dual induction and density log to be run to total depth if hole conditions permit.

9. Anticipated abnormal pressures or temperatures

No abnormal conditions expected - estimated bottom hole pressure for are is about 35% of total depth, i.e. @ 3,000' a bottom hole pressure of 1,050# could be expected, the surface pressure would be less.

10. Anticipated starting date and duration of operations

On or about November 1, 1981 and operations should be complete within two weeks.



# BLOWOUT PREVENTION DIAGRAM

Frank B. Adams No. 22-1  
sw ne Sec 22-19s-24e SLR&M  
Grand County, Utah  
Federal Lease U-17907

# Frank B. Adams

OIL OPERATOR

716 WILSON BUILDING

CORPUS CHRISTI, TEXAS 78476

512-884-9004

September 1, 1981

## Surface Use Plan (NTL-6)

Well name: Frank B. Adams No. 22-1  
sw ne 22 - 19s - 24e SLB&M  
Grand County, Utah

Federal Lease U-17907

### 1. Existing roads

- A. Proposed location is shown on attached plat (Exhibits "A" & "B")
- B. Frank B. Adams No. 22-1 is located approximately 13 miles nne of Cisco, Utah and can be reached by taking the first Ranch Exit coming into Utah from Colorado. Leave at exit and take the Sulphur Canyon road for approximately 5 miles from the exit.
- C. The Sulfur Canyon road is color coded on Exhibit "A" and the location is about 650' west of the road. The turn off is flagged.
- D. The 22-1 is classified as an exploratory well and all the existing roads within a three mile radius are shown on Exhibit "A". The Sulphur Canyon road is native dirt and is in regular use and maintained by Grand County. Operator will restore road to original condition if damaged by his drilling operations.
- E. NA
- F. No improvements to existing roads needed, since they are in regular use and there are no bridges involved.

### 2. Planned access road

The access road will come in from the east directly to the pad. No grade is necessary and no turnouts will be required. The pad has natural drainage and the access road will be bladed no deeper than 3" into the native soil. The actual width of the road will be 12' plus about 4' on either side for the bladed dirt. The length will be about 650'. No gates or fences exist and the proposed access road is flagged. See Exhibit "B".

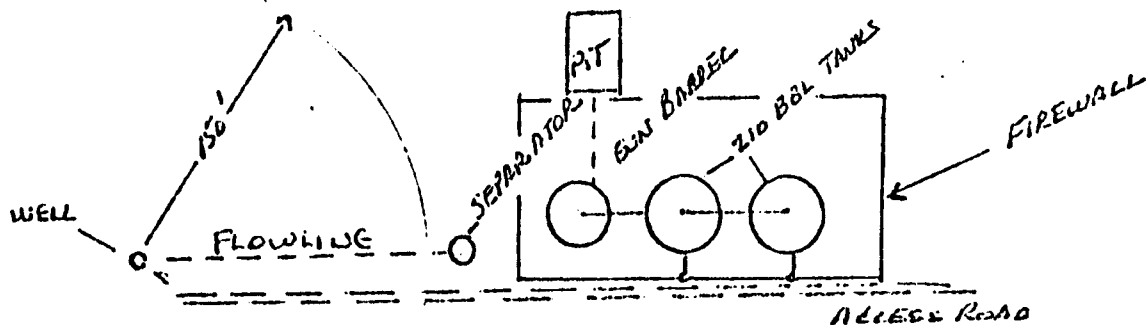
### 3. Location of existing wells

Exhibit "A" shows abandoned wells within a two mile radius to be located in Sections 14, 26 and 27. Proposed locations for wells to be drilled are in Sections 11 and 16. There are no water wells within the area of interest.

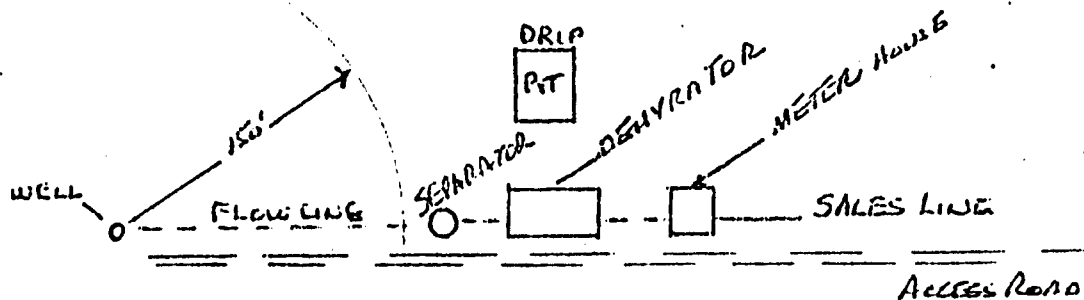


4. Location of existing and/or proposed facilities

- A. Operator does not own or control any facilities within a one mile radius of the proposed location.
- B. In the event of oil production, a producing facility as shown below will be constructed on the edge of the pad. Tanks will be welded 210 barrel steel storage tanks, connected by a catwalk. Oil produced will be removed by tank truck. A fire wall around the battery will be designed to contain the total volume of all storage within the fire walls plus 25%. All surface equipment will be painted "Desert Tan" to conform with BLM requirements.



In the event of gas production, producing facilities will consist of a separator, dehydrator, meter house and sales line. A typical set up is shown below:



This surface equipment will also be painted "Desert Tan" and any pits on both the oil or gas facilities will be fenced to turn livestock common to the area

- C. Rehabilitation of all disturbed areas no longer needed after operations are completed, will be restored to a smooth contour and all debris will be cleaned up. Pits will be back filled and leveled after drilling operations are concluded. The area will be stablized with reseeding during October or November

5. Location and type of water supply

- A. Water to be used for the drilling of this well will be obtained from a slump in a creek bed located on fee land owned by Frank Spadafora of Montrose, Colorado. This slump is located in the se corner of Section 30 - 18s - 24e, Grand County, Utah
- B. Water will be picked up by 80 barrel water trucks and transported over the Sulphur Canyon road to the location. The slump is next to this road. Since this test is to be air drilled, the water needs will not exceed 250 to 300 barrels. An agreement has been reached with Mr. Spadafora to supply the water for this operation. He may be contacted at 303-249-9745 in Montrose for confirmation.
- C. There are no plans to drill a water well on location.

6. Source of construction material

- A. No construction materials, such as, sand, gravel and soil will be required other than the native soil found in place on the location.
- B. No Federal or Indian lands will be source of construction material, if any are needed.
- C. In the event of production, a gravel pad will be used under the tank battery. Such gravel will be hauled to location by private contractor.
- D. Does not apply since no materials will be from Federal or Indian lands.

7. Methods of handling waste disposal

- 1. Cuttings: Cuttings from air drilling will be exhausted into a pit at the end of the exhaust line. Dust will be controled by injecting a mist into the exhaust line. After operations are completed, the pit will be back filled and leveled. The head of the pit will be at least 100' from wellhead.
- 2. Drilling fluids: To be contained in two 10' x 20' steel mud tanks. A reserve pit will be prepared to contain any excess flow from the well during drilling, cementing and completion. The pit will be back filled after operations are complete, except a pit that might be needed in connection with the production of oil and/or gas. Any pits not back filled will be fenced.
- 3. Produced fluids: Oil will be properly stored in tanks erected for that purpose and any water will be diverted into a pit and deposited of as required by the amount of water involved. NTL-2B will be used as a guide for disposal of fluids/
- 4. Sewerage : A chemical toilet will be provided on location for use by personnel.

5. Garbage and other waste material: A 10' x 10' x 6' trash pit will be constructed and enclosed by small mesh wire for use trash burn pit. Also empty steel drums will be on location to contain loose trash before burning in pit.
6. Wellsite clean up: Wellsite and pad will be properly cleaned up and restored to a smooth contour when operations are completed and rig moved off location. This clean up will occur within 30 days after the pad is vacated. Only that part of the pad required for production facilities will be kept in use. In the event of a dryhole, only the required dryhole marker will remain.

8. Ancillary facilities

No field camp or air strip will be required for this operation.

9. Wellsite layout

A plat on a scale of 1" = 50' is attached as Exhibit "C"

1. Cross-section of drill pad not shown since the rise in elevation is slight and no cuts or fills are required.
2. Location of the mud tanks, exhaust & reserve pit, burn pit, pipe racks, living facilities and soil stockpile are shown on attached Exhibit "C".
3. Rig orientation, parking areas and access road is also shown on Exhibit "C"
4. Pits shown are unlined.

10. Plans to restore surface

1. Upon completion, the part of the pad not needed to produce the well will be restored, including back filling and leveling of the pits, replacement of top soil, waste disposed of and spoils material segregated, if required. The pad will then be contoured to its original contours.
2. If the well is abandoned, the pad and access road will be ripped, leveled, rehabilitated and revegetated during the month of October or November.
3. Any remaining pits will be fenced and maintained after location is cleared, in the event of production.
4. If there is any oil on the pits, it will either be removed by truck or covered and the pit flagged on the surface.
5. Completion of the rehabilitation operations will occur during the month of October or November, weather permitting.

11. Other information

1. This location is situated on the plains below the Bookcliffs and the surface is Mancus shale with scattered clumps of greasewood and wild grasses. There are no pronounced geological features in the area.
2. The surface is owned by the RLM and is often leased as winter grazing land to local sheepmen. There are no other surface use activities on the involved land.
3. The nearest water is that source mentioned in Paragraph 5, Page 2 of the Surface use plan. The nearest occupied dwellings belong to Emmet Elizando at Harly Dome to the East.

To my knowledge there are no archeological, historical or cultural sites in the immediate area.

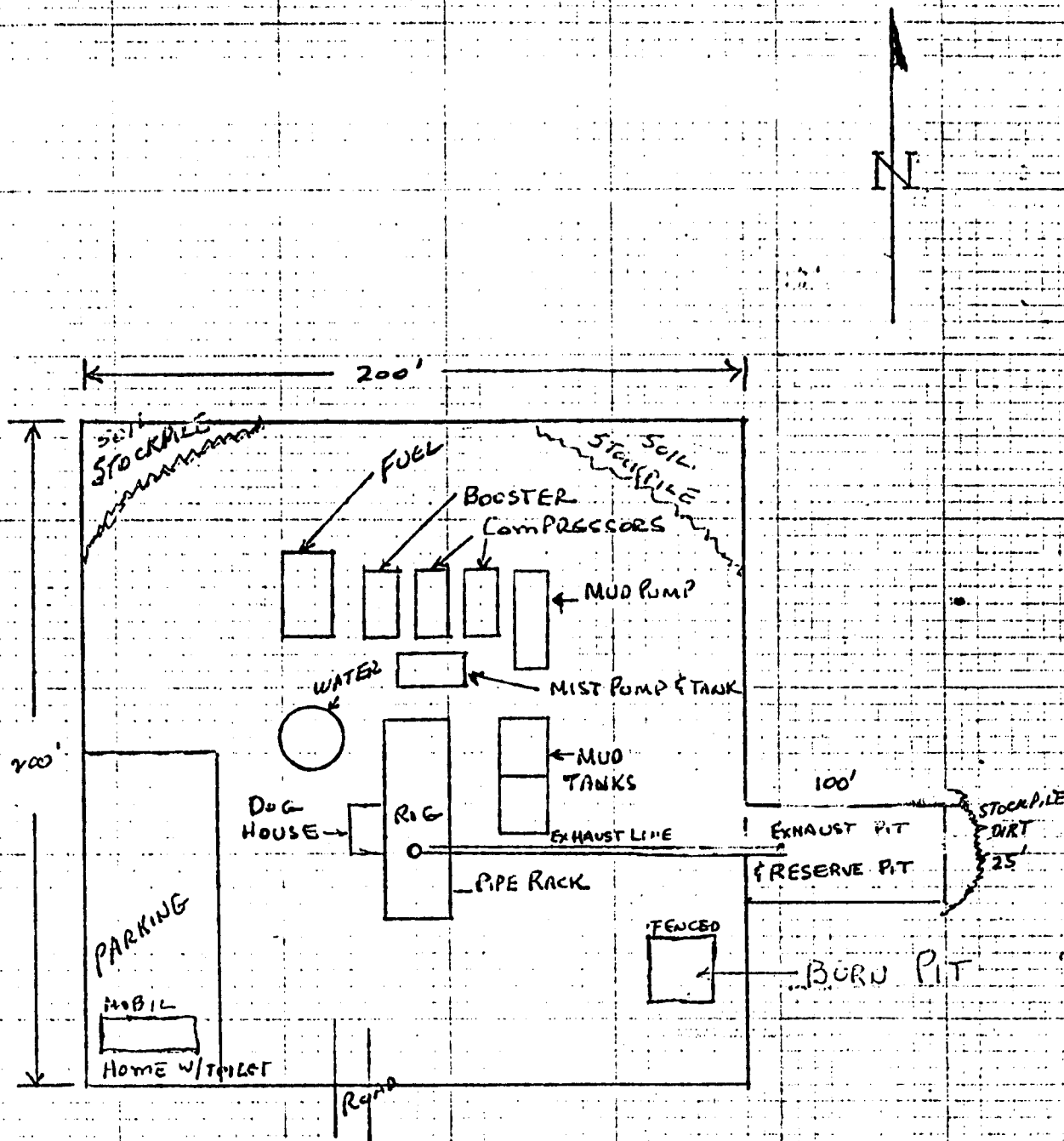
12. Operator's representative

Frank B. Adams	M. L. Oldham
716 Wilson Building	P. O. Box 1101
Corpus Christi, TX 78476	Fruita, CO 81521
512-884-9004	303-858-3481

13. I hereby certify that I have inspected the proposed drillsite and access roads; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Frank B. Adams and his contractors and subcontractors in conformity with this plan and the terms and conditions of approval.

Frank B. Adams

*Frank B. Adams -*



Drilling Rig Layout

Starnes Drilling Co. Rig No. 3  
 Box 1868  
 Grand Junction, CO 81501

Scale 1" = 50'

Exhibit "C"

Adams No. 22-1

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Frank B. Adams  
Project Type Oil and Gas Well - Wildcat  
Project Location 2007' FNL & 2079' FEL - Sec. 22. T. 19S. R. 24E  
Well No. 22-1 Lease No. U-17907  
Date Project Submitted September 14, 1981

FIELD INSPECTION

Date October 8, 1981

Field Inspection  
Participants

Craig Hansen - USGS, Vernal  
Frank Adams - Operator  
Elmer Duncan - BLM, Moab  
Kevin Cleary - BLM, Moab  
Craig Ivy - Northwest Pipeline

Related Environmental Documents: \_\_\_\_\_

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

10-16-81

Date Prepared

Craig Hansen  
Environmental Scientist

I concur

NOV 03 1981

Date

W.P. Martine

District Supervisor

FOR E.W. GUYNN  
DISTRICT OIL & GAS SUPERVISOR

Typed In 10-16-81

Typing Out 10-16-81

# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	B/m 10-30-81						2	10-8-81 24,6	
Unique charac- teristics	-						2	24,6	1
Environmentally controversial	1						2	24,6	
Uncertain and unknown risks	1						2	24,6	
Establishes precedents							2	24,6	
Cumulatively significant							2	24,6	
National Register historic places	1								1
Endangered/ threatened species	1								
Violate Federal, State, local, tribal law	1								

# CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey  
(Conservation Division, Geological Division, Water Resource Division,  
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



RECOMMENDED STIPULATIONS FOR FRANK ADAMS WELL #22-1:

1. The operator will adhere to BLM surface stipulations.
2. Production facilities will be placed on the northeast edge of the location and will be painted a tan color to blend in with the natural surroundings.
3. Double BOP rams will be used during drilling operations.
4. Production facilities diagram will be submitted at a later date.

COMMENTS:

The well is located on a north sloping ridge and is highly visable to the surrounding area.



*Frank Adams  
#22-1 South*

Company: Frank B. Adams  
Well: Fed. #22-1  
Section 22, T. 19 S., R. 24 E.

ADDITIONS TO THE MULTIPOINT  
SURFACE USE PLAN  
AND  
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah phone (801 259-6111) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. New road construction will be limited to an allowable travel surface width of 18 feet. For construction design and survey refer to class III road standards attachment.

Topsoil and vegetation will be saved along the route and windrowed along the north side of the road.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. Location: Disturbed or leveled area will be 60 feet wide X 60 feet long to support the rig and steel mud tanks. Rest of area inside the 200' X 200' location will be left undisturbed except for vehicle travel.
7. The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees on the south side of the location, west of the access road.
8. The reserve pit will not be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over.
9. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 48 inches high ranch wire with a strand of barbed wire along the top for support.

## REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801 259-6111), 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 6 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be broadcast at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Broadcast seed will be applied at 2 times the pounds per acre in the enclosed seed list.
8. After seeding is complete the access will be blocked to prevent any vehicle use.
9. Waterbars will be used on all sloping surfaces as shown below:

### Grade

2%  
2-4%  
4-5%  
+5%

### Spacing

200 ft. spacing  
100 ft. spacing  
75 ft. spacing  
50 ft. spacing

## PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. The access will be to the design of a class III road.

# SEED MIXTURE

Species		Rate
<u>Grasses</u>		<u>lbs/acre</u>
Oryzopsis hymenoides	Indian rice grass	1
Hilaria jamesii	Curley grass	1
<u>Forbs</u>		
Sphaeralcea coccinea	Globemallow	1
<u>Shrubs</u>		
Atriplex nuttallii	Nuttal Saltbush	1
Atriplex confertifolia	Shadscale	1
Ceretoides lanata	Winterfat	1
		<hr/>
		6

Double this amount if the seed will be broadcast.

Frank B. Adams

OIL OPERATOR

716 WILSON BUILDING  
CORPUS CHRISTI, TEXAS 78476

512-884-9004

September 10, 1981

The District Engineer  
U. S. Geological Survey  
2000 Administration Building  
Salt Lake City, Utah 84104

RECEIVED  
1981

DIVISION OF  
OIL, GAS & MINING

Gentlemen:

Enclosed, in triplicate, are Forms 9-331-C "Application to Drill" for the following proposed test wells all in Grand County, Utah:

Frank B. Adams No. 4-1  
sw se 4 - 19s - 24e SLB&M  
3,700' Entrada wildcat  
Federal Lease No. U-21349

Frank B. Adams No. 22-1  
sw ne 22 19s - 24e SLB&M  
2,950' Entrada wildcat  
Federal Lease No. U-17907

Frank B. Adams No. 11-1  
sw sw 11 - 19s - 24e SLB&M  
3,100' Entrada wildcat  
Federal Lease No. U-20401

Frank B. Adams No. 33-1  
se se 33 19s - 24e SLB&M  
2,300' Entrada wildcat  
Federal Lease No. U-31469

Attached to each Form 9-331-C are the necessary supporting papers. The undersigned holds Statewide Drilling Bond No. 72-0130-60-78 and Mitchell Energy Corporation, the Record owner, holds Nationwide Federal Drilling Bond No. 59-5215, on file in the Denver office of the USGS.

If the enclosed meets with your approval, I would like to arrange to hold the on-site inspection, if required, for all four locations on the same day.

Thank you for your early attention to these permit requests.

Very truly yours,

FBA/g  
cc-MEC-Den  
UO&G (Lease plats attached)

*Frank B. Adams*

*att: Mike Mender*

Scale 1" = 2,000'



**\*\* FILE NOTATIONS \*\***

DATE: October 15, 1981

OPERATOR: Frank B. Adams

WELL NO: Federal No. 22-1

Location: Sec. 22 T. 19S R. 24E County: Grand

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-019-30867

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per order issued in Conn 102-16B

Administrative Aide: As Per Order Below,

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 102-16B, 9-26-79

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed.

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☐

P.I. ☐

October 20, 1981

Frank B. Adams  
716 Wilson Bldg.  
Corpus Christi, Tx. 78476

RE: Well No. Federal #22-1  
Sec. 22, T. 19S, R. 24E,  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to ~~gas~~ well is hereby granted in accordance with the Order issued in Cause No. 102-16B, dated September 26, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30867.

Sincerely

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight  
Director

CBF/db  
CC: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒&/or GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Frank B. Adams

## 3. ADDRESS OF OPERATOR

716 Wilson Bldg., Corpus Christi, TX 78476

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface 2,007' fnl &amp; 2,079' fel - Sec. 22 19s 24e SLB&amp;M

At proposed prod. zone

Same as above

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

12.94 miles nne of Cisco, Utah

15. DISTANCE FROM PROPOSED  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

2,007'

## 16. NO. OF ACRES IN LEASE

2,080.00

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

10 ac oil &amp; 40 ac gas

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NA

## 19. PROPOSED DEPTH

2,950' Entrada

## 20. ROTARY OR CABLE TOOLS

Rotary - air

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4,835' Gr.

4,844' KB

## 22. APPROX. DATE WORK WILL START\*

Nov. 1, 1981

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8ths"	26#	160'	30sx to surface
6 1/2"	4 1/2"	10.5#	2,950'	120 sx + 2% KCI

Attached

1. Ten point plan ( July 1, 1976 )
2. Surface use plan
3. Designation of Operator
4. Survey

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Frank B. Adams TITLE Operator DATE NOV 1 1981

(This space for Federal or State office use)

PERMIT NO.

2017 YKE CHIA'OLYN

APPROVAL DATE

APPROVED BY

W. P. Moutonfor E. W. G. Smith  
DISTRICT OIL & GAS SUPERVISOR

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

IN REPLY REFER TO

3109  
U-17907  
(U-068)

OCT 26 1981

## Memorandum

To: Oil & Gas Office  
USGS Conservation Division  
P.O. Box 1037  
Vernal, Utah 84078

From: Area Manager, Grand

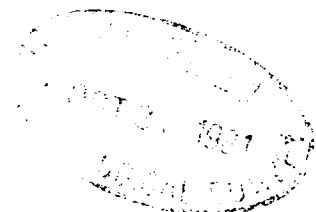
Subject: Frank B. Adams (APD)  
Fed. #22-1 Lease: #U-17907  
SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 22, T. 19 S., R. 24 E., SLB&M  
Grand County, Utah

On October 8, 1981 a representative from this office met with Cody Hansen, USGS, and Frank Adams, agent of Frank Adams for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Frank B. Adams.

Enclosures: (3)  
1-Reclamation Procedures  
2-Seed Mixture  
3-Suggested Colors - Production Facilities





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

### SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

#### Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

#### Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah  
SERIAL No.: U-17907

and hereby designates

NAME: Frank B. Adams  
ADDRESS: 716 Wilson Building  
Corpus Christi, Texas 78476

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

TOWNSHIP 19 SOUTH, RANGE 24 EAST SLM  
Section 22: NE/4

Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

MITCHELL ENERGY CORPORATION

  
.....  
(Signature of lessee)  
DAN J. HARIMANN  
Vice President and General Manager

9-4-81

.....  
(Date)

3200 Amoco Building, 1670 Broadway, Denver,  
Colorado 80202 (Address)

NOTICE OF SPUD

Caller: Frank B. Adams

Phone: \_\_\_\_\_

Well Number: 22-1 Federal

Location: SWNE 22-19S-24E

County: Grand State: Utah

Lease Number: U-17907

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 1-11-82 8:30 P.M.

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 9 7/8" hole

Rotary Rig Name & Number: Layton Exploration Rig 2

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 1-12-82

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: FRANK B ADAMS

WELL NAME: 22-1 Federal

SECTION SWNE 22 TOWNSHIP 19S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Layton Exploration

RIG # 2

SPUDDED: DATE 1-11-82

TIME 8:30 PM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY Frank Adams

TELEPHONE # 303-242-6790 (Holiday Inn, Grand Junction)

DATE January 12, 1982 SIGNED AS



DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Frank B. Adams

WELL NAME: Federal 22-1

SECTION 22 TOWNSHIP 19S RANGE 24E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 3165'

CASING PROGRAM:

FORMATION TOPS:

7" 162' cement top to bottom

2206 - Granerow Marker  
2232 - Dakota Sands  
2482 - Morrison  
3064 - Entrada

PLUGS SET AS FOLLOWS:

50 Sax in bottom of hole  
200' or 50 Sax 2200 - 2000'  
50 Sax 200' in & out of surface casing.

Place 9.2#, 50 vis. fresh water gel based abandonment mud between plugs; clean, restore and regrade site, erect regulation dryhole maker.

DATE 1-21-82

SIGNED CBF



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771  
January 29, 1982

Frank B. Adams  
716 Wilson Bldg.  
Corpus Christi, Tx. 78476

Re: Well No. Federal #22-1  
Sec. 22, T. 19S, R. 24E  
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and also all drilling information on this well is needed to be forwarded to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very-truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other P&A

2. NAME OF OPERATOR  
Frank B. Adams

3. ADDRESS OF OPERATOR  
706 Wilson Bldg.  
Corpus Christi, TX 78476

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2,007' fnl & 2,079' fel  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other)

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

Verbal granted 01-21/82 (WPM-USGS)  
(CBF-Utah)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Plug No. 1.2,320- 1,950' w/75 sx

Plug No.2 1,525'-1,275' w/50 sx

Plug No.3 274'- 100' w/35 sx

Site to be restored abd regulation dryhole marker installed.

Note: Test air/mist drilled to 3,165' but due to cavings in the Dakota a bridge developed @ 2,320' and two attempts to condition the hole failed to get the logging tool below 2,320' Hole mudded up to log and filled with 9# mud below and between cement plugs.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Frank B. Adams TITLE Operator DATE February 2, 1982

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Frank B. Adams No. 22-1 Federal  
Operator Frank B. Adams Address 718 Wilson Bldg.  
Corpus Christi, TX 78476  
Contractor Layton Exploration Address Grand Junction, CO  
Location sw 1/4 ne 1/4 Sec. 22 T. 19s R. 24e County Grand

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	2,317	3,165'	Air drilled - added soap	Salty
2.			@ 2,317' and mist drilled to TD @ 3,165	
3.			about 100' into the Entrada, no increase in	
4.			water noted at blue line.	
5.				

(Continue of reverse side if necessary)

Formation Tops

Base of the Mancus (G marker )	2,207'	Cedar Mtn	2,387' E*
<u>Remarks</u> Dakota	2,232'	Brushy Basin	2,607' E*
		Entrada	3,012' E*

\*Bridge @ 2,320' prevented logging bottom of hole

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

7

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-17907	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Frank B. Adams				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 716 Wilson Bldg., Corpus Christi, TX 78476				8. FARM OR LEASE NAME USA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2,007' fnl & 2,079' fel At top prod. interval reported below At total depth Same as above SWNE				9. WELL NO. No. 22-1 Federal	
14. PERMIT NO. 43-019-30867				18. STATE Utah	
DATE ISSUED Nov 12, '81				12. COUNTY OR PARISH Grand	
15. DATE SPUDDED 01-11-82		16. DATE T.D. REACHED 01-19-82		10. FIELD AND POOL, OR WILDCAT Greater Cisco Area	
17. DATE COMPL. (Ready to prod.) Plug 01-22-82		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4,835 Gr.		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA se ne 22-19s-24e SLB&M	
20. TOTAL DEPTH, MD & TVD 3,165'		21. PLUG, BACK T.D., MD & TVD		12. COUNTY OR PARISH Grand	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY → 0-3,165'		18. STATE Utah	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None P&A				19. ELEV. CASINGHEAD 0	
25. TYPE ELECTRIC AND OTHER LOGS RUN Dual Ind. / Welex to 2,320' Bridge prevented reaching TD				26. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE 7"		WEIGHT, LB./FT. 20#		DEPTH SET (MD) 165'	
HOLE SIZE 9-7/8"		CEMENTING RECORD 40 sx to surface (National)		AMOUNT PULLED None	
29. TUBING RECORD					
SIZE 7"		TOP (MD) 165'		DEPTH SET (MD) 165'	
SCREEN (MD) 165'		PACKER SET (MD) 165'		AMOUNT PULLED None	
30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
Plug # 1		2,320' - 1,950' w/75 sx			
# 2		1,525' - 1,275' w/50 sx			
# 3		274' - 100' w/35 sx (Dowell)			
31. PERFORATION RECORD (Interval, size and number)					
32. PRODUCTION					
DATE FIRST PRODUCTION None P&A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		OIL—BBL.		GAS—MCF.	
WATER—BBL.		OIL GRAVITY-API (CORR.)		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
TEST WITNESSED BY					
35. LIST OF ATTACHMENTS Electric log direct to State & USGS from Welex					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED Frank B. Adams		TITLE Operator		DATE 02/01/82	

\*(See Instructions and Spaces for Additional Data on Reverse Side)